

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"10591663"	US-PGPUB; USPAT	OR	ON	2008/11/24 09:24
S2	91886	((Receiv\$5 or accept\$ or collect\$5 or gather\$5) near4 (Signal or indicat\$4 or trigger\$5)near4 (antenna))	US-PGPUB; USPAT	OR	ON	2008/11/24 10:06
S3	91604	((Transmit\$5 or send\$4 or forward\$5)near3 (antennas))	US-PGPUB; USPAT	OR	ON	2008/11/24 10:14
S4	53271	S2 and S3	US-PGPUB; USPAT	OR	ON	2008/11/24 10:14
S5	0	(S4 and (postive near3 (interger or number)))	US-PGPUB; USPAT	OR	ON	2008/11/24 10:16
S6	0	(S4 and (postive near3 (integer or number)))	US-PGPUB; USPAT	OR	ON	2008/11/24 10:16
S7	0	(S4 and (postive near3 (integer or number)))	US-PGPUB; USPAT	OR	ON	2008/11/24 10:16
S8	1328	(S4 and (positive near3 (integer or number)))	US-PGPUB; USPAT	OR	ON	2008/11/24 10:17
S9	1504	((Multi\$path) or (numerous adj path) or (several adj path)) near6 (demodulat\$4)	US-PGPUB; USPAT	OR	ON	2008/11/24 10:28
S10	1102	S9 and interference	US-PGPUB; USPAT	OR	ON	2008/11/24 10:29
S11	32	S8 and S9	US-PGPUB; USPAT	OR	ON	2008/11/24 10:29
S12	0	((Receiv\$5 or accept\$ or collect\$5 or gather\$5) near4 (Signal or indicat\$4 or trigger\$5)near4 (antenna)near3 (transmit \$5 adj antenna))	US-PGPUB; USPAT	OR	ON	2008/11/24 13:37
S13	33983	((Receiv\$5 or accept\$ or collect\$5 or gather\$5) near4 (Signal or indicat\$4 or trigger\$5)near4 (antenna)near3 (transmit \$5))	US-PGPUB; USPAT	OR	ON	2008/11/24 13:38

S14	171	((multiple or many or numerous or several) near5 (demodulat\$5 or rake or despread)near2 (unit))	US-PGPUB; USPAT	OR	ON	2008/11/26 13:36
S15	22311	((Second\$5 or next or succeed\$5 or follow\$4) near5 (demodulat\$5 or rake or despread))	US-PGPUB; USPAT	OR	ON	2008/11/26 14:19
S16	4413	((Second\$5 or next or succeed\$5 or follow\$4)adj (demodulat\$5 or rake or despread))	US-PGPUB; USPAT	OR	ON	2008/11/26 14:19
S17	206	((Second\$5 or next or succeed\$5 or follow\$4)adj (demodulat\$5 or rake or despread)near2 (unit))	US-PGPUB; USPAT	OR	ON	2008/11/26 14:20
S18	169331	((multi\$path)adj (demodulat\$5 or rake or despread)near2 (Second \$5 or next or succeed\$5 or follow\$4)near "3"(demodulat\$5 or rake or despread))	US-PGPUB; USPAT	OR	ON	2008/11/26 15:22
S19	0	((multi\$path)adj (demodulat\$5 or rake or despread)near2 (Second \$5 or next or succeed\$5 or follow\$4)adj(demodulat \$5 or rake or despread))	US-PGPUB; USPAT	OR	ON	2008/11/26 15:23
S20	0	((multi\$path)adj (demodulat\$5 or rake or despread)near2 (Second \$5 or next or succeed\$5) adj (demodulat\$5 or rake or despread))	US-PGPUB; USPAT	OR	ON	2008/11/26 15:23
S21	154	((multi\$path)adj (demodulat\$5 or rake or despread))	US-PGPUB; USPAT	OR	ON	2008/11/26 15:24
S22	2	"20030139139"	US-PGPUB; USPAT	OR	ON	2008/12/01 09:30
S23	1	"20040121754"	US-PGPUB; USPAT	OR	ON	2008/12/01 10:12
S24	1	"20070197166"	US-PGPUB; USPAT	OR	ON	2008/12/01 10:59
S25	1	"20030179814"	US-PGPUB; USPAT	OR	ON	2008/12/01 17:29

S26	0	((demodulat\$4 or despread \$3)near6 (maximum adj likelihood adj detection) near4 (QR))	US-PGPUB; USPAT	OR	ON	2008/12/01 17:39
S27	0	((demodulat\$4 or despread \$3)near6 (maximum adj likelihood adj detection))	US-PGPUB; USPAT	OR	ON	2008/12/01 17:39
S28	1	((demodulat\$4 or despread \$3)near6 (maximum adj likelihood adj detection) near4 (QR))	US-PGPUB; USPAT	OR	ON	2008/12/01 17:40
S29	50	((demodulat\$4 or despread \$3)near6 (maximum adj likelihood adj detection))	US-PGPUB; USPAT	OR	ON	2008/12/01 17:40
S30	210	(QR adj factorization)	US-PGPUB; USPAT	OR	ON	2008/12/01 19:06
S31	177	((demodulat\$4 or despread \$3)near3 (unit) near4 (amplitude))	US-PGPUB; USPAT	OR	ON	2008/12/02 13:33
S32	1	((demodulat\$4 or despread \$3)near3 (unit)near4 (multipath adj interference) near6 (stage))	US-PGPUB; USPAT	OR	ON	2008/12/02 15:03
S33	2	((demodulat\$4 or despread \$3)near3 (unit)near4 (multipath adj interference) near6 (stage or period or phase or step))	US-PGPUB; USPAT	OR	ON	2008/12/02 15:10
S34	15	((demodulat\$4 or despread \$3)near3 (unit)near4 (interference)near6 (stage or period or phase or step))	US-PGPUB; USPAT	OR	ON	2008/12/02 15:12
S35	996	((demodulat\$4 or despread \$4)near4 (unit)near4 (connect\$4 or attach\$4 or join\$4 or bond\$4 or link \$2))	US-PGPUB; USPAT	OR	ON	2008/12/02 15:51
S36	17	((demodulat\$4 or despread \$4)near4 (unit)near4 (connect\$4 or attach\$4 or join\$4 or bond\$4 or link\$2) near4 (stage))	US-PGPUB; USPAT	OR	ON	2008/12/02 15:53
S37	41	((demodulat\$4 or despread \$4)near4 (unit)near4 (connect\$4 or attach\$4 or join\$4 or bond\$4 or link\$2) near4 (stage or period or phas\$4 or step))	US-PGPUB; USPAT	OR	ON	2008/12/02 15:59

S38	1	channel adj coeffiecient	US-PGPUB; USPAT	OR	ON	2008/12/02 16:36
S39	1	channel near3 coeffiecient	US-PGPUB; USPAT	OR	ON	2008/12/02 16:36
S40	1899	channel adj coefficient	US-PGPUB; USPAT	OR	ON	2008/12/02 16:37
S41	0	((ll near3(estimat\$3)near4 (pilot adj signal))	US-PGPUB; USPAT	OR	ON	2008/12/02 16:39
S42	4	((ll near3(estimat\$3)near4 (signal))	US-PGPUB; USPAT	OR	ON	2008/12/02 16:39
S43	73	((ll near4(Updat\$3 or revis \$3 or renew\$3))	US-PGPUB; USPAT	OR	ON	2008/12/02 16:47
S44	14679	"pilot signal"	US-PGPUB; USPAT	OR	ON	2008/12/02 16:55
S45	436	S40 and S44	US-PGPUB; USPAT	OR	ON	2008/12/02 16:55
S46	14249	((demodulat\$3 or despread \$4 or rake)near3 (unit))	US-PGPUB; USPAT	OR	ON	2008/12/02 16:57
S47	68	S45 and S46	US-PGPUB; USPAT	OR	ON	2008/12/02 16:58
S48	64	(S47 and interference)	US-PGPUB; USPAT	OR	ON	2008/12/02 17:35
S49	1	"20030179814"	US-PGPUB; USPAT	OR	ON	2008/12/02 18:26
S50	1	((Second\$5 or next or succeed\$5 or follow\$4) near5 (demodulat\$5 or rake or despread)near2 (unit) near4 (maximum adj likelihood adj detection))	US-PGPUB; USPAT	OR	ON	2008/12/02 18:35
S51	1	((Second\$5 or next or succeed\$5 or follow\$4) near5 (demodulat\$5 or rake or despread)near2 (unit) near4 (maximum near4 (detection))	US-PGPUB; USPAT	OR	ON	2008/12/02 18:36
S52	22345	((Second\$5 or next or succeed\$5 or follow\$4) near5 (demodulat\$5 or rake or despread))	US-PGPUB; USPAT	OR	ON	2008/12/02 18:37
S53	1064	"maximum likelihood detection"	US-PGPUB; USPAT	OR	ON	2008/12/02 18:38
S54	85	S52 and S53	US-PGPUB; USPAT	OR	ON	2008/12/02 18:38
S55	16833	((Second\$5)near5 (demodulat\$5 or rake or despread))	US-PGPUB; USPAT	OR	ON	2008/12/02 18:58

S56	36	S53 and S55	US-PGPUB; USPAT	OR	ON	2008/12/02 18:58
S57	2	"20040120415"	US-PGPUB; USPAT	OR	ON	2008/12/02 19:10
S58	1	"20040082356"	US-PGPUB; USPAT	OR	ON	2008/12/02 19:31
S59	26	"6081516"	US-PGPUB; USPAT	OR	ON	2008/12/04 08:36
S60	1	"20040082356"	US-PGPUB; USPAT	OR	ON	2008/12/04 14:37
S61	2	"20040120415"	US-PGPUB; USPAT	OR	ON	2008/12/04 14:40
S62	3909	isolate\$2 adj input	US-PGPUB; USPAT	OR	ON	2009/12/16 09:45
S63	1728	((Multi\$path) or (numerous adj path) or (several adj path)) near6 (demodulat\$4)	US-PGPUB; USPAT	OR	ON	2009/12/16 09:45
S64	1265	S63 and interference	US-PGPUB; USPAT	OR	ON	2009/12/16 09:45
S65	0	S62 and S64	US-PGPUB; USPAT	OR	ON	2009/12/16 09:45
S66	18371	((Second\$5)near5 (demodulat\$5 or rake or despread))	US-PGPUB; USPAT	OR	ON	2009/12/16 09:47
S67	42	(S66 and S62)	US-PGPUB; USPAT	OR	ON	2009/12/16 09:47
S68	274	((signal)near5 (receiv\$3) near7 (each or every or all) near7 (antenna))	US-PGPUB; USPAT	OR	ON	2009/12/16 10:00
S69	26	S66 and S68	US-PGPUB; USPAT	OR	ON	2009/12/16 10:01
S70	17049	((multiple or many )near6 (receiv\$3) near7(input or path))	US-PGPUB; USPAT	OR	ON	2009/12/16 11:14
S71	735	S66 and S70	US-PGPUB; USPAT	OR	ON	2009/12/16 11:15
S72	81	S64 and S71	US-PGPUB; USPAT	OR	ON	2009/12/16 11:15
S73	2	"20040032900"	US-PGPUB; USPAT	OR	ON	2009/12/16 11:50
S74	3	("2003/0067971").URPN.	USPAT	OR	ON	2009/12/16 11:56
S75	14	"6661835"	US-PGPUB; USPAT	OR	ON	2009/12/16 11:58

S76	9	("5228056"   "5719852"   "5724378"   "5887034"   "6081516"   "6137788"   "6172969"   "6222498"   "6240099").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/16 12:00
S77	1	"20030179814"	US-PGPUB; USPAT	OR	ON	2009/12/16 12:34
S78	42	"6661836"	US-PGPUB; USPAT	OR	ON	2009/12/16 12:34
S79	14	"6661835"	US-PGPUB; USPAT	OR	ON	2009/12/16 12:35
S80	1	"20040082356"	US-PGPUB; USPAT	OR	ON	2009/12/16 12:36
S81	2920	interference adj cancel\$5	US-PGPUB; USPAT	OR	ON	2010/10/08 09:42
S82	1853	((Multi\$path) or (numerous adj path) or (several adj path)) near6 (demodulat\$4)	US-PGPUB; USPAT	OR	ON	2010/10/08 09:42
S83	94	(S81 and S82)	US-PGPUB; USPAT	OR	ON	2010/10/08 09:42
S84	0	("2006/0268963").URPN.	USPAT	OR	ON	2010/10/08 10:49

### EAST Search History (I nterference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S85	80	((demodulat\$5)near7 (device or unit)near7 (interfer\$6 adj cancel \$8 or ITCU))	US-PGPUB; USPAT; UPAD	OR	ON	2011/03/21 13:30
S86	0	("370/150").ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2011/03/21 13:33
S87	2953	(375/346).ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2011/03/21 14:45
S88	2489	(455/63.1).ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2011/03/21 14:45
S89	4	(S87 and "s81")	US-PGPUB; USPAT; UPAD	OR	ON	2011/03/21 14:46
S90	18	("s81" and S88)	US-PGPUB; USPAT; UPAD	OR	ON	2011/03/21 14:48

S91	704	((demodulat\$5)near9 (interfer\$6 adj cancel \$8 or ITCU))	US-PGPUB; USPAT; UPAD	OR	ON	2011/03/21 14:50
S92	51	S88 and S91	US-PGPUB; USPAT; UPAD	OR	ON	2011/03/21 14:50

**3/21/2011 4:19:21 PM**

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antennas.wsp**